

Serial Nr.: 09/758,598
Art Unit: 2821

UPA-01106

CLAIMS:1. (Amended) [An] A multi-frequency band antenna comprising:

a first radiating element being shaped as an extended bent wire for functioning as an antenna element of a first frequency band, said first radiating element comprising a conductive material;

a second radiating element for functioning as an antenna element of a second frequency band, said second frequency band being different from said first frequency band, said second radiating element comprising a conductive material; and

a feed radiating element having a first end being used as a signal feed point for signals of said first and second frequency bands, and a second end being electrically connecting said first radiating element to said second radiating element and forming a top loaded structure[.];

wherein said feed radiating element is disposed on a plane neither containing nor in parallel with said first and second radiating elements, and said feed radiating element forms an angle in a range between 70° to 180° with a surface containing said first or second radiating element.

